

Home | Legin | Legout | Access Information | Alerts |

Welcome United States Palent and Trademark Office

Citation & Abstract

SView Selected Items

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((gesture <and> multimodal <and> speech)<in>metadata)"

Your search matched 65 of 1164322 documents. You selected 2 items.

⊠e-πail

Download Citations

Choose Citation

٠

Article information

Display Format:

View: 1-2 | View

Download

EndNote,ProCite,RefMan



» Learn more

» Key

IEEE JNL IEEE Journal or Magazine

IEE Journal or IEE JNL Magazine

IEEE **IEEE Conference** CNF Proceeding

IEE Conference IEE CNF

Proceeding

REE IEEE Standard STD

Gesture-speech based HMI for a rehabilitation robot

C Citation

Shoupu Chen; Kazi, Z.; Beitler, M.; Salganicoff, M.; Chester, D.; Foulds, R. Southeastcon '96. 'Bringing Together Education, Science and Technology'., Proceedings of the 11-14 Apr 1996

Page(s): 29-36

Summary: One of the most challenging problems in rehabilitation robotics is the design of an ϵ machine interface (HMI) allowing the user with a disability considerable freedom and flexibility. user direction approach combining comma.....

AbstractPlus | Full Text: PDF | IEEE CNF

Toward multimodal human-computer interface

Sharma, R.; Pavlovic, V.I.; Huang, T.S.

Proceedings of the IEEE

Volume: 86 Issue: 5 May 1998

Page(s): 853-869

Summary: Recent advances in various signal processing technologies, coupled with an explos available computing power, have given rise to a number of novel human-computer interaction (speech, vision-based gesture recognition, eye tra.....

AbstractPlus | References | Full Text: PDF IEEE JNL

View: 1-2 | View Search Resi

Contact Us Privacy & S

@ Copyright 2005 (EEE --

indexed by # inspec



Home | Login | Logout | Access Information | Alerts |

Welcome United States Palent and Trademark Office

™View Selected Items

BROWSE

SEARCH

IEEE XPLORE GUIDE

Results for "((gesture <and> multimodal <and> speech)<in>metadata)"

Your search matched 65 of 1164322 documents. You selected 5 items.

. San-e Ω

Download Citations

Display Format:

C Citation

Citation & Abstract

Choose

Citation

Article Information

View: 1-5 | View

Download

EndNote,ProCite,RefMan



» Learn more

» Key

IEEE JNL IEEE Journal or Magazine

HEE JNL HEE Journal or

Magazine

CNF

IEEE Conference Proceeding

RECAF IEE Conference

Proceeding

IEEE Standard

EEE

STD

1. Multimodal interfaces with voice and gesture input

Milota, A.D.; Blattner, M.M.

Systems, Man and Cybernetics, 1995. 'Intelligent Systems for the 21st Century'., IEEE Internation

Volume: 3 22-25 Oct 1995 Page(s): 2760-2765 vol.3

Summary: The modalities of speech and gesture have different strengths and weaknesses, bucreate a synergy where each modality corrects the weaknesses of the other. The authors belief multimodal system such as one intertwining speech an.....

AbstractPlus | Full Text: PDF | IEEE CNF

2. Word learning in a multimodal environment

Roy, D.; Pentland, A.

Acoustics, Speech, and Signal Processing, 1998. ICASSP '98. Proceedings of the 1998 IEEE I

Conference on

Volume: 6 12-15 May 1998 Page(s): 3761-3764 vol.6

Summary: We are creating human machine interfaces which let people communicate with mac natural modalities including speech and gesture. A problem with current multimodal interfaces i forced to learn the set of words and gestures wh.....

AbstractPlus | Full Text: PDF IEEE CNF

3. Current trends in multimodal input recognition

Salem, B.; Yates, R.; Saatchi, R.

IEE Colloquium on Virtual Reality Personal Mobile and Practical Applications - 98/454 28 Oct 1998

Page(s): 3/1-3/6

Summary: In order to optimise the effectiveness of a personal virtual reality (VR) system, it is r a natural and efficient way of interacting with it. This can be achieved by incorporation of a directive interface. To communicate

AbstractPlus | Full Text: PDF | IEE CNF

4. Toward multimodal interpretation in a natural speech/gesture interface

Kettebekov, S.; Sharma, R.

Information Intelligence and Systems, 1999. Proceedings. 1999 International Conference on 1999

Page(s): 328-335

Summary: Hand gestures and speech comprise the most important modalities of human to human Motivated by this, there has been a considerable interest in incorporating these modalities for "a computer interaction (HCI) part.....

AbstractPlus | Full Text: PDF | IEEE CNF

b. Improving continuous gesture recognition with spoken prosody

Kettebekov, S.; Yeasin, M.; Sharma, R.

Computer Vision and Pattern Recognition, 2003. Proceedings. 2003 IEEE Computer Society C

Volume: 1 18-20 June 2003 Page(s): I-565- I-570 vol.1

Summary: Despite recent advances in gesture recognition, reliance on the visual signal alone unrestricted continuous gesticulation is inherently error-prone. Since spontaneous gesticulation

coverbal in nature, there have been some attem.....

AbstractPlus | Full Text: PDF | IEEE CNF

View: 1-5 | View Search Resi

Help Contact Us Privacy & S

@ Copyright 2005 IEEE -

indexed by # inspec

WEST Search History

·····	Restore	2002000000000	************
Hide Items	Pastore	∞(Clαat∷)	Cancel
11100 1101110			
*******************************	444444444444444444444444444444444444444	.0000000000000000000	340000000000000000000000000000000000000

DATE: Thursday, May 26, 2005

Hide	Set Name	Query	<u>Hit</u> Count
	DB=	PGPB, USPT, USOC, EPAB, JPAB, DWPI, TDBD; PLUR=1	YES;
	OP = C	OR	
	L6	L4 and (finite adj state) and lattice	9
	L5	L4 and (finite adj state)	32
\Box	L4	(speech and gesture) and recognition and multimod\$3	138
Γ	L3	L2 and gesture	9
	DB =	PGPB, USPT, EPAB, JPAB, TDBD; PLUR=YES; OP=OR	
	L2	L1 and multimod\$3	20
	L1	(6868383 6012030 6018711 5748841 6708153 6725199 6823308 5892813 6384829 5781179 5885083 6681206 6148282 6742021 6779060 5710833 5878274 5727130 5414726 5748974 5511146 5610812 4326101 5781884 6226613 6226613 5222187 5511213 5619718 5664061 5757960 5768417 5802205 5854855 6073098 6182036 6249761 4513435 4759068 4792976 4827521 4833712 4905286 5410635 5425129 5528725 5699456 5719997 5805775 5870706).pn.	50

END OF SEARCH HISTORY

Search Results - Record(s) 1 through 19 of 19 returned.

L7: Entry 1 of 19

File: PGPB

Apr 3, 2003

PGPUB-DOCUMENT-NUMBER: 20030065505 DOCUMENT-IDENTIFIER: US 20030065505 A1

TITLE: Systems and methods for abstracting portions of information that is

represented with finite-state devices

PUBLICATION-DATE: April 3, 2003

US-CL-CURRENT: 704/9 INT-CL: [07] G06 F 17/27

L7: Entry 2 of 19

File: PGPB

Mar 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030046087 DOCUMENT-IDENTIFIER: US 20030046087 A1

TITLE: Systems and methods for classifying and representing gestural inputs

PUBLICATION-DATE: March 6, 2003

US-CL-CURRENT: <u>704/275</u> INT-CL: [07] <u>G10 L 21/00</u>

L7: Entry 3 of 19

File: PGPB

Nov 1, 2001

PGPUB-DOCUMENT-NUMBER: 20010037201 DOCUMENT-IDENTIFIER: US 20010037201 A1

TITLE: Speech recognition accuracy in a multimodal input system

PUBLICATION-DATE: November 1, 2001

US-CL-CURRENT: 704/258 INT-CL: [07] G10 L 13/00

L7: Entry 4 of 19

File: USPT

Mar 15, 2005

US-PAT-NO: 6868383

DOCUMENT-IDENTIFIER: US 6868383 B1

TITLE: Systems and methods for extracting meaning from multimodal inputs using

finite-state devices

DATE-ISSUED: March 15, 2005

US-CL-CURRENT: 704/254; 704/251, 715/863

INT-CL: [07] G10L01508, G10L01524

Record List Display Page 2 of 5

L7: Entry 5 of 19

File: USPT

File: USPT

Nov 23, 2004

May 11, 2004

US-PAT-NO: 6823308

DOCUMENT-IDENTIFIER: US 6823308 B2

TITLE: Speech recognition accuracy in a multimodal input system

DATE-ISSUED: November 23, 2004

US-CL-CURRENT: 704/256; 704/236, 704/239, 704/255

INT-CL: [07] G10 L 15/14, G10 L 15/08, G10 L 15/28

US-PAT-NO: 6735566

L7: Entry 6 of 19

DOCUMENT-IDENTIFIER: US 6735566 B1

TITLE: Generating realistic facial animation from speech

DATE-ISSUED: May 11, 2004

US-CL-CURRENT: 704/256; 345/473, 704/270

INT-CL: [07] $\underline{G10}$ \underline{L} $\underline{15}/\underline{14}$, $\underline{G10}$ \underline{L} $\underline{21}/\underline{00}$, $\underline{G06}$ \underline{T} $\underline{15}/\underline{70}$

L7: Entry 7 of 19 File: USPT Apr 20, 2004

US-PAT-NO: 6725199

DOCUMENT-IDENTIFIER: US 6725199 B2

TITLE: Speech synthesis apparatus and selection method

DATE-ISSUED: April 20, 2004

US-CL-CURRENT: 704/258; 704/260, 704/270.1

INT-CL: [07] $\underline{G10} \ \underline{L} \ \underline{13/00}$

L7: Entry 8 of 19 File: USPT Jan 20, 2004

US-PAT-NO: 6681206

DOCUMENT-IDENTIFIER: US 6681206 B1

TITLE: Method for generating morphemes

DATE-ISSUED: January 20, 2004

US-CL-CURRENT: 704/243; 704/245, 704/257

INT-CL: [07] G10 L 15/06

L7: Entry 9 of 19 File: USPT Dec 16, 2003

Record List Display Page 3 of 5

US-PAT-NO: 6665640

DOCUMENT-IDENTIFIER: US 6665640 B1

TITLE: Interactive speech based learning/training system formulating search queries based on natural language parsing of recognized user queries

DATE-ISSUED: December 16, 2003

US-CL-CURRENT: 704/257; 704/270.1, 704/275, 707/4

INT-CL: [07] $\underline{G10}$ \underline{L} $\underline{15/18}$, $\underline{G10}$ \underline{L} $\underline{15/22}$, $\underline{G06}$ \underline{F} $\underline{17/30}$

US-PAT-NO: 5781179

L7: Entry 10 of 19

DOCUMENT-IDENTIFIER: US 5781179 A

TITLE: Multimodal information inputting method and apparatus for embodying the same

File: USPT

DATE-ISSUED: July 14, 1998

US-CL-CURRENT: 345/157; 704/251

INT-CL: [06] $\underline{G09}$ \underline{G} $\underline{5/08}$

L7: Entry 11 of 19 File: DWPI Mar 15, 2005

DERWENT-ACC-NO: 2005-281798 ABSTRACTED-PUB-NO: US 6868383B

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Multimodal recognition system for speech input to personal digital assistant, generates recognition model for other mode recognition systems with recognition results from one mode recognition system

INT-CL (IPC): $\underline{G10}$ \underline{L} $\underline{15/08}$, $\underline{G10}$ \underline{L} $\underline{15/24}$ Derwent-CL (DC): P86, T01 , T04 , W04

EPI Codes: T01-C08A; T01-J10B2; T04-D07D; W04-V04A;

L7: Entry 12 of 19 File: DWPI Jan 20, 2004

DERWENT-ACC-NO: 2004-200431 ABSTRACTED-PUB-NO: US 6681206B

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Acoustic morphemes generating method for use in spoken dialog system, involves clustering salient phone-phrases into acoustic morphemes based on semantic and syntactic similarities

INT-CL (IPC): G10 L 15/06

Derwent-CL (DC): P86, T01 , U21 , W01 , W04

EPI Codes: T01-F06; T01-J18; U21-C01E; W01-C02B9; W04-V01;

L7: Entry 13 of 19 File: DWPI Dec 16, 2003

Jul 14, 1998

DERWENT-ACC-NO: 2004-058591 ABSTRACTED-PUB-NO: US 6665640B

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Speech based interactive learning system for e-learning, processes recognized speech utterance data to form sentence data which is converted into speech query for identifying topic answer entry corresponding to speech query

INT-CL (IPC): $\underline{606} \ \underline{F} \ \underline{17/30}, \ \underline{610} \ \underline{L} \ \underline{15/18}, \ \underline{610} \ \underline{L} \ \underline{15/22}$

Derwent-CL (DC): P86, T01, W04

EPI Codes: T01-J30A; T01-N01D1; W04-V04A; W04-W05A;

L7: Entry 14 of 19

File: DWPI

Apr 3, 2003

DERWENT-ACC-NO: 2003-708376
ABSTRACTED-PUB-NO: US20030065505A
COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Abstraction method for finite-state device, involves abstracting certain aspects of gestural content and taking projection from resulting finite state machine after multimodal integration

INT-CL (IPC): $\underline{G06} + \underline{17/27}$

Derwent-CL (DC): T01

EPI Codes: T01-J11A1; T01-J17;

L7: Entry 15 of 19

File: DWPI

Mar 6, 2003

DERWENT-ACC-NO: 2003-439455

ABSTRACTED-PUB-NO: US20030046087A COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Gesture representation method for wireless portable computing devices, involves providing recognized possible meaning lattice, based on gesture recognition lattice and recognized possible words sequences lattice

INT-CL (IPC): G10 L 21/00

Derwent-CL (DC): P86, T01 , T04 , W04

EPI Codes: T01-J10B2; T01-J11A1; T01-J18; T01-M06A1A; T04-D03; T04-D04; W04-V01;

W04-V04A; W04-V05;

L7: Entry 16 of 19

File: DWPI

Apr 20, 2004

DERWENT-ACC-NO: 2003-183511

ABSTRACTED-PUB-NO: US20020184027A

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Speech synthesis apparatus for use as voice browser, assesses quality of speech form utterances to select speech synthesis engines with different characteristics

INT-CL (IPC): $\underline{G10} \ \underline{L} \ \underline{13/00}, \ \underline{G10} \ \underline{L} \ \underline{13/04}$

Derwent-CL (DC): P86, T01 , W04

EPI Codes: T01-J18; T01-N03A1; W04-V04C;

Record List Display Page 5 of 5

L7: Entry 17 of 19 File: DWPI Nov 23, 2004

DERWENT-ACC-NO: 2002-218521 ABSTRACTED-PUB-NO: EP 1126436A

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Speech recognition method for complementary multimodal input system involves recognizing words by comparing identified features of speech and modal input data based on models for speech and event recognition

INT-CL (IPC): G06 F 3/16, G10 L 13/00, G10 L 15/08, G10 L 15/14, G10 L 15/18, G10 L

15/24, G10 L 15/28

Derwent-CL (DC): P86, T01, W04

EPI Codes: T01-C08A; T01-E01C; T01-J05B4P; T01-J18; W04-V01; W04-V04C;

L7: Entry 18 of 19 File: DWPI Mar 30, 2005

DERWENT-ACC-NO: 2000-259225 ABSTRACTED-PUB-NO: EP 992933A

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Generating realistic facial animation directly from speech, analyses voice with regard to learned categories of facial gesture and trains hidden Markov models to obtain optimal representation for new vocal actions

INT-CL (IPC): $\underline{G06} \times \underline{9/00}$, $\underline{G06} \times \underline{9/68}$, $\underline{G06} \times \underline{13/00}$, $\underline{G06} \times \underline{15/70}$, $\underline{G10} \times \underline{15/00}$, $\underline{G10} \times \underline{15/00}$

<u>15/14</u>, <u>G10</u> <u>L</u> <u>21/00</u>

Derwent-CL (DC): P86, T01

EPI Codes: T01-C08A; T01-J10C4; T01-J10C5; T01-J18;

L7: Entry 19 of 19 File: DWPI Mar 28, 1997

DERWENT-ACC-NO: 1997-250041 ABSTRACTED-PUB-NO: JP 09081364A

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Multimodal information input method for electronic computer - involves directing object displayed on monitor of computer using voice command converted into internal computer command by application program

INT-CL (IPC): $\underline{G06} + \underline{3/033}$, $\underline{G06} + \underline{3/16}$, $\underline{G09} + \underline{5/08}$, $\underline{G10} + \underline{1} + \underline{3/00}$

Derwent-CL (DC): P85, P86, T01, W04 EPI Codes: T01-C10; T01-J18; W04-V04;

<u>Previous Page</u> <u>Next Page</u>